VYDEC Vydec, Inc., 9 Vreeland Road, Florham Park, NJ 07932
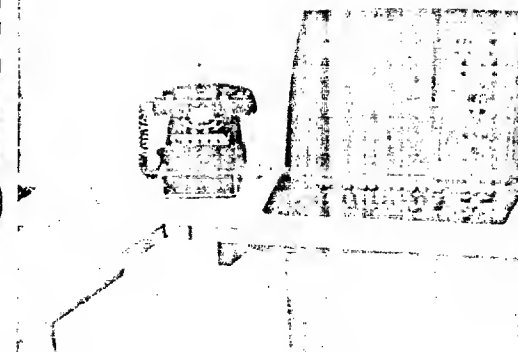
Vydec Communicator Model 0700

The Vydec Communicator is an optional feature on new or presently installed Vydec® Word Processing Systems, 1146 or 1200 models, for electronic text transmission over telephone lines, between any two Vydec systems with communications capabilities.

Applications

The communications capability is designed for situations in which written text must be transmitted between individuals, departments or offices that are physically separated.

Some typical applications include: ,

Law firms with multiple offices. Briefs can be transmitted from a headquarters office to a branch office in the city where it must be filed.

Advertising agencies transmitting copy from headquarters to a branch office or client's office for review and editing.

Companies with widely-separated major divisions. To permit fast, unambiguous transmission of inventory reports, operating expense statements, statistical data, formula changes, or contract negotiations, to permit speedy changes, insertions and deletions.

Publishers involved in text editing between headquarters and satellite offices. Or between publisher and printer for transmission of copy for typesetting.

Private line transmission between floors, nearby buildings or over leased lines between major facilities to permit more efficient use of personnel and to minimize transit delays.

Additional applications derive from Vydec's general capabilities in handling complex chemical formulas and statistical data.

Benefits

The Vydec communications system offers distinct advantages over other means of text communication.

These include:

Speed. Transmission of text or data is accomplished at approximately 20 seconds per page. (Approximately 100 characters per second.) *Asynchronous.*

Economy. Transmission is by means of voice-grade phone lines. With the unattended operation capability, it is possible to take advantage of lower off-peak hour telephone rates. Or to schedule transmission to avoid interruption during work hours. A maximum of 60 pages may be transmitted or received in this mode unattended.

Example: Comparable volumes of transmissions cost $630 using facsimile transmission; only $31 using a Vydec system (based on 6 minutes/page facsimile speed).

Security: Transmission of hard copy communication is direct from storage media to storage media. Transmission is faster than the spoken word. Text appears on both screens, so misunderstanding or misinterpreting is minimized.

Versatility: The capability of the Vydec Word Processing System to produce finished typed copy at high speeds plus the speed of the Vydec Communicator make Vydec text transmission unmatched for economy and utility.

Example: A thirty page report, transmitted from headquarters, can be received at a branch location in approximately ten minutes. It can be clean-typed at 32 characters/second, ready for presentation in only 30 minutes. Or the operator can make fast revisions, additions or deletions on the Vydec CRT display screen before printing.
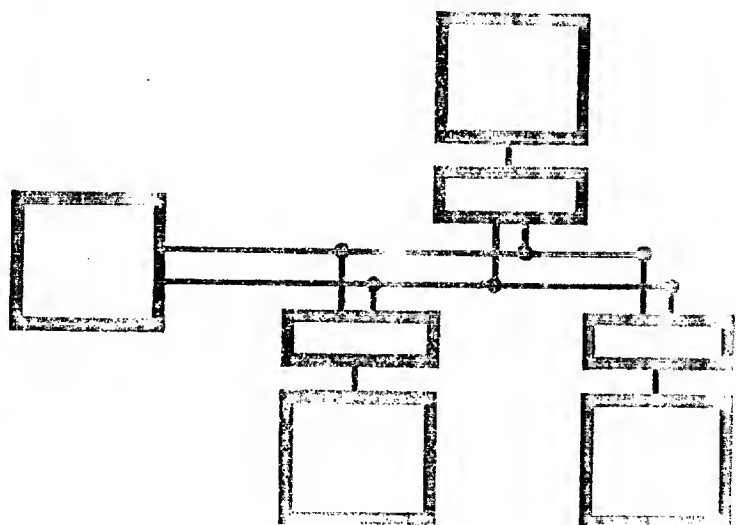
Operational Procedures

Operation of the Vydec Word Processing System does not require extensive training. Transmission is controlled with simple keystroke operations. Text to be transmitted is called from storage. Up to 61 pages can be transmitted automatically.

When ready to transmit, the sender dials receiver. With the Vydec systems in the respective "send" and "receive" mode, transmission is accomplished in blocks of 256 characters. The text is confirmed on both the sending and receiving display screens.

Each 256-character block includes computed checking data at both sending and receiving stations. Any variation in a block will activate automatic re-transmission of that block.

Text is received directly in storage and may be retrieved for editing and/or printing.

Model 0720 Computer Batch Interface for Vydec Editors

With the Model 0720 Computer Batch Interface, Vydec editors can speedily transfer data to each other or to a central processing unit (CPU). The Interface allows an editor to operate as a stand-alone word processing unit and as a batch-oriented intelligent terminal for distributed word and data processing needs. In addition, the editor can act as an electronic communicator. Text is transmitted at high speeds over telephone lines to other Vydec systems or to a host computer.

Applications

Available for 1200 and 1400 Model editors, the Interface option allows the operator to tailor the Vydec system as an intelligent terminal to the specific needs of the user.

Some typical applications include:

High-speed electronic mail. Users can transmit written text to remote locations for immediate review and editing. Transmission is not only fast, but paperless. The unattended auto-answer capability allows the user to take advantage of off-peak hour telephone rates. The user can also operate on private leased channels.

Data collection. Information can be prepared and edited in advance and then batch transferred at high speed to a CPU for storage, data base entry, text update and manipulation.

Order processing/verification. By employing Vydec's forms mode capability, the user can prepare standard documents such as orders, vouchers and accounting statements and store them in a CPU. With the standard form stored, transmission speed and efficiency can be increased because the operator need only send the required variables.

Data dissemination. Reports and statistics generated locally can be transmitted to remote Vydec* Word Processing Systems for printing and dissemination in final form.

Benefits

The Model 0720 Computer Batch Interface offers several advantages over other means of communication.

Versatility. A simple prompting system allows the operator to tailor the communications option to his or her specific, immediate needs. The Vydec editor can be the master or slave on some multipoint lines. It can transmit and receive in the same operation without operator intervention. In addition, the editor can accommodate a variety of line speeds and transmission codes.

Speed. The user may select one line speed of 2400, 4800 or 9600 bits per second depending on the modem selected. This means an average page of text can be sent in 5 to 9 seconds. A 60-page disc --- even one containing 4000 characters a page — can be transmitted within 6 to 16 minutes.

Economy. The Interface allows the user to reduce the high cost of CPU connect time and to relieve the CPU of text processing requirements. Transmission can be over standard voice-grade phone lines or leased channels. Unattended operation allows the user to take advantage of off-peak hour phone rates.

Security. Transmission is from media to media. Initial hookup requires the exchange and verification of terminal identifiers before text is transmitted. Terminal statistics verify the data transferred and the Vydec systems involved in the operation.

Error recovery. All transmitted data is verified prior to acceptance at the receiving system. If an error occurs due to transmission or line problems, the system will automatically reve to the communications ready mode. Good messages sent prior t that break are kept and stored accurately. Data is never lost

Statistical log. The operator automatically receives a report o all transmit/receive operations once communications have been completed.

Operating Procedures

While operation of the Computer Batch Interface option doc not require extensive training, knowledge of the application is necessary to take full advantage of the system's power.

Setup is controlled by simple keystroke operations. The user merely installs the discs containing data to be transmitted, answers simple set-up questions, and allows the system to take control. The user is continuously advised of the status of the operatior

Here is a sample prompt sequence the operator is required to answer when preparing for transmission.

```
*******************************
**                           **
**    Communications Mode —   **
**                           **
*******************************
```

1. Line type (Point or Multi)?p
2. Remote type (CPU or Editor)?c
3. ENQ:
4. Log on:
5. Log off:
6. Emulator type (2780 or 3780)?2
7. Block factor:
8. Remote ID:
9. Local ID:
10. Send, Receive, or Both?s
11. Control (Yes or No)?y
12. Disc 1 — File A:
13.   — File B:
14. Disc 2 — File A:
15.   File B: 1
16. Ready?

Model 0720
Computer Batch Interface
Specifications

Line speed: 2000 to 9600 BPS
(externally clocked)

Transmission codes: USASCII, EBCDIC, and
Vydec Internal

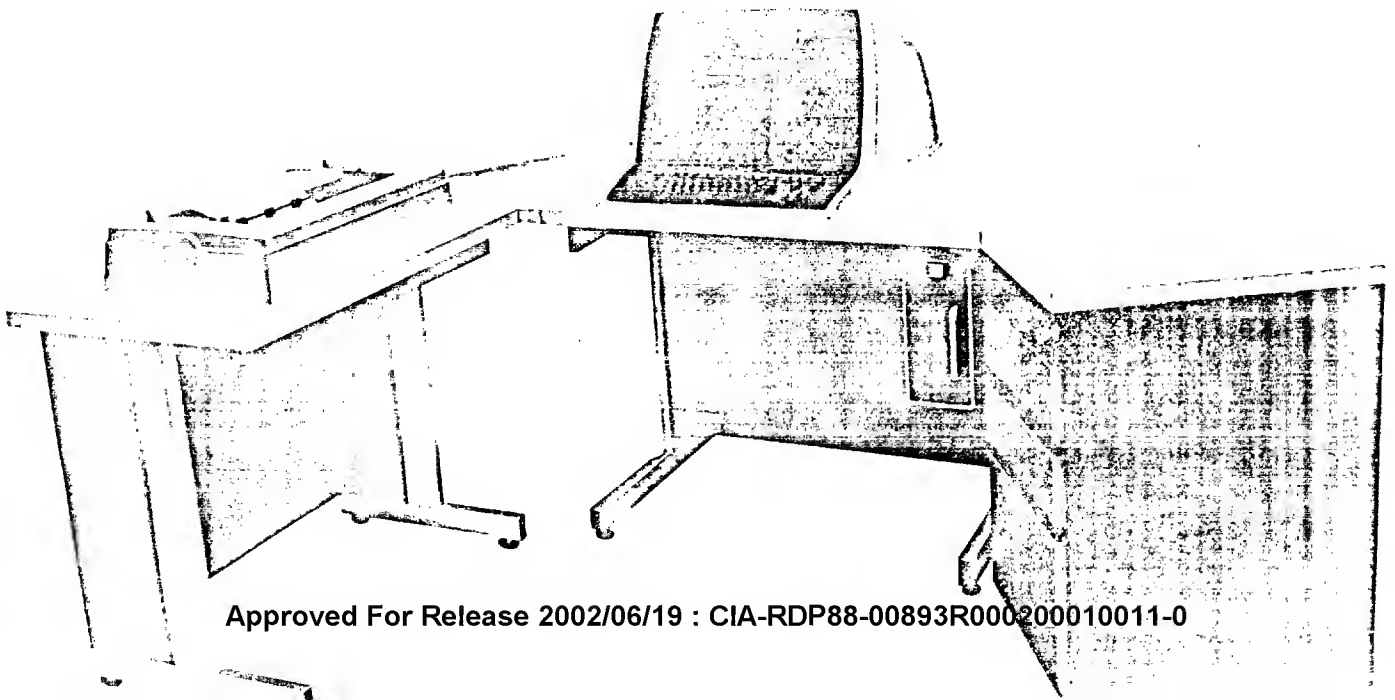Electrical interface: EIA RS232C

Compatible data sets: Bell 201, 208A, 208B

Emulator types: IBM 2780 and 3780

Line type: 2 or 4 wire, voice-grade, switched or leased

Error checking: LRC or CRC16

Additional features: ID verification; master/slave choice; automatic line turnaround; data base enquiry; multi-record capability; point-to-point and multipoint communication; automatic unattended operation; broadcast

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Vydec
Model
1200

General

The Vydec® Model 1200 Word Processing System is a text-editing typewriter with flexible magnetic disc storage and independent printer. A full-page CRT screen displays all typed text and all text retrieved from storage, as well as all editing operations performed on the text. Final copy can be automatically printed, stored, or transmitted to any other Vydec system with communication capabilities.

Features

Skip spacing. Automatic subscript/superscript printing. Forms mode. Forms composite mode. Full backspace. Automatic text-justification. Optional wide document capability: 160 character display.

CRT display screen: 64-line (legal size) 96 cpl. Correspondence-type keyboard. Soft-touch, no-jam keys. Keyboard-formatted, independent printer: 32 characters/second. Interchangeable type styles. 10 or 12 pitch spacing. 60-page, A and B file, reusable flexible disc storage. 100 diskettes per station. Multiple search mode. Single, space and one-half and double line spacing. Operator controlled hyphenization. Multiple correction/addition/deletion modes. Transposition, centering, repagination capabilities. Simultaneous print/underscore. Print with or without store. Brite Start key for underscore. Legal keyboard option. Communications (text transmission/reception) option.

Applications

The Vydec Model 1200 allows the operator to prepare, edit, revise and format text at high speed. For all office typing applications, particularly those requiring revisions, multiple drafts, multiple clean-typed copies with minor variable elements, periodic updating of material within a fixed format: legal documents, presentations, form letters, mailing lists, inventory, personnel, client lists.

Special features of the Model 1200 make it particularly applicable in these areas:

Scientific typing requiring subscripts or super-scripts, such as chemical formulas, engineering equations, algebraic or logarithmic notations.

Statistical typing requiring tabulation of information in columns or other fixed formats, such as inventory, sales, expense reports.

Continuous forms applications where variable information must be inserted in fixed locations on fan-folded paper.

Benefits

Scientific notations and statistical formatting require no manual platen-adjustments. Insertion of variable elements in forms requires no platen-handling. Finished text is automatically justified.

On-screen editing allows operator to edit and proofread before printing. Random access permits assembly of finished document from separately-stored elements. Simultaneous input/output allows operator to continue work while text is printed. Compact filing. Generalist system requires little or no office reorganization. No computer training necessary to operate. Printer/text-editing combination generates high-volume finished work.

Operation

Regular keyboard operation controls all functions. Operator advances cursor to locations on-screen where special functions are required, then keys operation through simple controls.

Editor specifications

Display

Size:	10.5" x 8"
Characters/Line:	96/Wide document option: 160
Lines/Page:	64
Character Memory:	4093
Character Repertory:	92 standard
Character Generation:	Vector technique
Refresh Rate:	Synchronized to power line
Phosphor:	P31, Green

Keyboard

Type:	Electronic, N-key rollover
Size:	74 keys
Layout:	Standard business typewriter with function keys

Disc

Size:	8" x 8" x ⅛"
Capacity:	60 pages, each containing 4093 characters. One additional page for temporary storage.
Speed:	1 second retrieval time; 1 second readout time

Printer

Speed:	32 characters/second
Type Style:	10 or 12 pitch, various type styles available
Ribbon:	Cartridge, carbon

Environmental

Ambient Temperature:	50 degrees F (10 degrees C) to 104 degrees F (40 degrees C)
Relative Humidity:	80% at 104 degrees F (40 degrees C)

Physical data

Weight:

CRT Console:	250 lbs.
Printer:	85 lbs.
File Cabinet:	75 lbs.
Left & right filler panels:	11 lbs.
Total	421 lbs. (ea.)

(Add approximately 20 lbs. total for shipping)

Size:

Height:	27.5"
CRT Console:	34" W x 31" D
Printer:	31" W x 20" D
File:	15" W x 20" D

Operating features

Cursor Controls: Up, down, left, right, and home

Editing: Character Out, Character Enter, Line Out, Line Enter, Line End, Roll Up, Brite Start, Brite Stop, Page End

Text Formatting: Bell Set, Tab Set, Clear, Adjust Margin, Trace, Single Space, Space and a Half, Double Space, 10 pitch, 12 pitch, Line #, Cursor Position, Justify, Forms, Forms Composite, Auto Super/Subscript, Top of Form, Reverse Top of Form
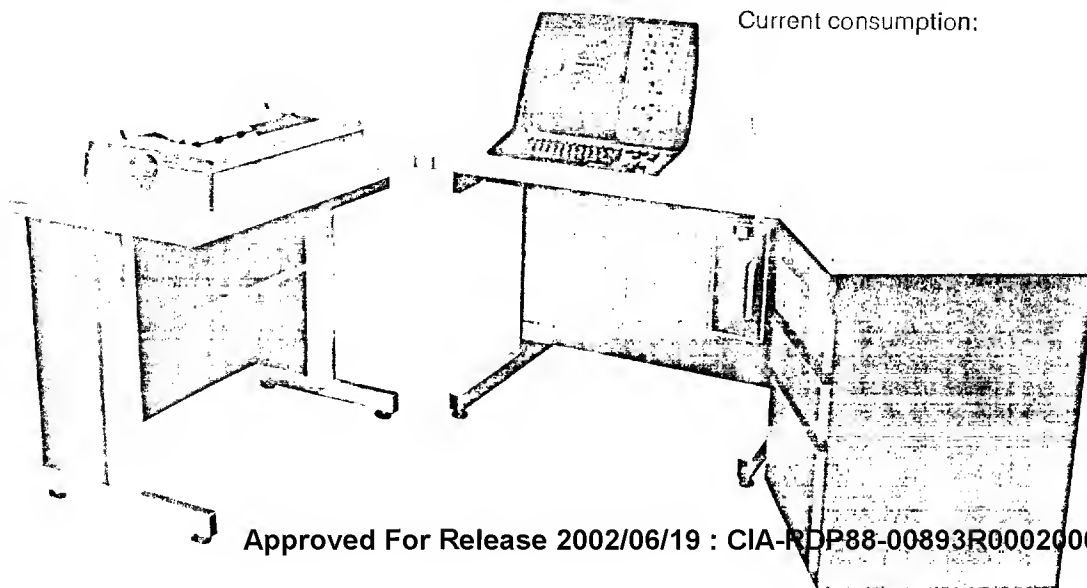
Data Handling: Store, Read, Save, Recall, Page End, Print

Input power

Voltage:	115 V+/—10%, 60 Hz
Current:	6.5 Amps max.
Power dissipation:	2150 BTU/HR

Communications:

Current consumption:	.5 Amperes

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Vydec
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General

The Vydec® Model 1400 Word Processing System is a text-editing typewriter with flexible magnetic disc storage and an independent printer. A full-page CRT screen displays all typed text and all text retrieved from storage, as well as all editing operations performed on the text. Final copy may be printed and/or stored.

Features

Automatic diskette duplication (60 tracks). Automatic partial diskette duplication (1-30 tracks). Dual disc drive. Double storage and access.

Skip spacing. Automatic subscript/superscript printing. Variable printer line-spacing. Forms mode. Forms composite mode. Full backspace. Automatic line-justification. Optional wide document capability — 160 character display.

CRT display screen: 64-line (legal size) 96 cpl. Correspondence-type keyboard. Soft-touch, non-jam keys. Keyboard-formatted, independent printer: 32 characters/second. Interchangeable type styles. 10 or 12 pitch spacing. Two 60-page, each with A and B file, reusable magnetic discs; storage, 100 diskettes per station. Multiple search mode. Single, one and one-half and double spacing. Operator hyphenization-alert. Multiple correction/addition/deletion modes. Transposition, centering, repagination capabilities. Simultaneous print/underscore. Print with or without store. Brite Start key for underscore. Legal keyboard option.

Applications

The Vydec Model 1400 allows the operator to prepare, edit, revise and format text at high speed. For all office paperwork applications, particularly those requiring revisions, multiple drafts, multiple clean-typed copies, multiple clean-typed copies with minor variable elements, periodic updating of material within a fixed format: legal documents, presentations, form letters, mailing lists, inventory, personnel, client lists.

Scientific applications requiring subscripts or superscripts, such as chemical formulas, engineering equations, algebraic or logarithmic notations. Statistical applications requiring tabulation of information in columns or other fixed formats, such as inventory, sales, expense reports. Continuous forms applications where variable information must be inserted in fixed locations on fan-folded paper.

Special features of the Model 1400 make it particularly applicable in these areas:

Document-assembling applications where increased storage capacity is helpful.

Legal and other documents composed of variable 'boilerplate' elements.

Benefits

Facilitates multiple Vydec-station operation. Double storage capacity per station. Scientific notations and statistical formatting require no manual platen-adjustments. Insertion of variable elements in forms requires no platen-handling. Finished text is automatically justified.

On-screen editing allows operator to edit and proofread before printing. Random access permits assembly of finished document from separately-stored elements. Simultaneous input/output allows operator to continue work while text is printed. Compact filing. Generalist system requires little or no office reorganization. No computer training necessary to operate. Printer/text-editing combination generates high-volume finished work.

Editor specifications

Display

Size:	10.5" x 8"
Characters/Line:	96/Wide document option: 160
Lines/Page:	64
Character Memory:	4093
Character Repertory:	92 standard
Character Generation:	Vector technique
Refresh Rate:	Synchronized to power line
Phosphor:	P31, Green

Keyboard

Type:	Electronic, N-key rollover
Size:	74 Keys
Layout:	Standard Business typewriter with function keys

Disc

Size:	8" x 8" x 1/8"
Capacity:	120 pages, each containing 4093 characters
	Two additional pages for temporary storage
Speed:	1 second retrieval time, 1 second readout time

Printer

Speed:	32 characters/second
Type Style:	10 or 12 pitch, various type styles available
Ribbon:	Cartridge, carbon

Environmental

Ambient Temperature:	50 degrees F (10 degrees C) to
	104 degrees F (40 degrees C)
Relative Humidity:	80% at 104 degrees F (40 degrees C)

Physical data

Weight:

CRT Console:	269 lbs.
Printer:	85 lbs.
File Cabinet:	75 lbs.
Left & right filler panels:	11 lbs.
Total	440 lbs. (ea.)
	(Add approximately 20 lbs. total for shipping.)

Size:

Height:	27.5"
CRT Console:	34" W x 31" D
Printer:	31" W x 20" D
File:	15" W x 20" D

Operating features

Cursor Controls: Up, down, left, right, and home

Editing: Character Out, Character Enter, Line Out, Line Enter, Line End, Roll Up, Brite Start, Brite Stop, Page End

Text Formatting: Bell Set, Tab Set, Clear, Adjust Margin, Trace, Single Space, Double Space, 10 pitch, 12 pitch, Line #, Cursor Position, Justify Forms, Forms Composite, Auto Super/Subscript, Top of Form, Reverse Top of Form

Data Handling: Store, Read, Save, Recall, Page End, Print, Disc Copy

Input power

Voltage:	115V +/− 10%, 60Hz
Current:	8.2 Amps max.
Power Dissipation:	2832 BTU/HT